Snapshot of OLSRv2-Routed MANET Management

draft-clausen-manet-olsrv2-management-snapshot-01

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What is it?

- Describes ***how***, ***what*** and ***why*** **OLSRv2**-based MANETs are typically ***managed*** and ***monitored*** (as of March 2014)
  - Pre-deployment management (lower layer alignment, interface addresses, security material, constant “C”)
  - Internal management (local process), external management (via NMS)
  - What to manage (message sending intervals, validity time of tuples, errors) + rationale

Motivation

- Request during IESG evaluation of RFC6779 (Benoit Claise, Ron Bonica):
  - Describe MANET management use cases ("how are MANETs managed")
  - Ron Bonica:

    "This document fails to provide use cases. Because it doesn't provide use cases, it is not clear that any/all of its objects are useful. While this comment might be leveled concerning regarding MIB, it is particularly applicable in this case because we have so little operational experience with ad hoc networks. Will the ad hoc network include a NOC? What policy will that NOC attempt to enforce? What information/control will the NOC need to enforce that policy."

Motivation

- Document how the ad hoc networks that we know are actually being managed;
- Asking those building/operating such networks;
- And trying to generalize from that.
- Note: This draft does not intend to “replace” draft-nguyen-manet-management, which is much broader (not only OLSRv2 MANETs) and more prospective (many possible ways how MANETs ***could*** be managed, without evidence from deployments that they are managed that way)

Next Steps

- **Would like to request WG adoption & quick processing of this document**
- Draft is discussed on OPSAWG mailing list
- New revision planned to address valuable comments from OPSAWG (thanks to David Harrington, and Jürgen Schönwälder):
  - Document what the management communication patterns may look like in an operating network
  - Editorial improvements discussing non-standard, proprietary management protocols
  - Consider guidelines from RFC5706